



Germ Off

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : Germ Off

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cleaning

1.3. Details of the supplier of the safety data sheet

Shaklee Corporation
Pleasanton, CA 94588
T 925-924-2000

1.4. Emergency telephone number

Emergency number : 925-931-4189

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Eye Irrit. 2B H320
Aquatic Acute 2 H401

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

GHS US labeling

Signal word (GHS US) : Warning
Hazard statements (GHS US) : H320 - Causes eye irritation
H401 - Toxic to aquatic life
Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|---|----------------------|----------|---------------------------|
| Components below reportable levels | None | 90 - 100 | Not classified |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | (CAS-No.) 68424-85-1 | 0.1 | Acute Tox. 4 (Oral), H302 |
| Didecyltrimethylammonium chloride | (CAS-No.) 7173-51-5 | 0.1 | Acute Tox. 3 (Oral), H301 |
| 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride | (CAS-No.) 5538-94-3 | 0.1 | Not classified |
| 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride | (CAS-No.) 32426-11-2 | 0.1 | Not classified |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air. Call a physician if symptoms develop or persist.
First-aid measures after skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.

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| First-aid measures after eye contact | : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth. Get medical attention if symptoms occur. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : None under normal use. |
| Symptoms/effects after skin contact | : May cause skin irritation. |
| Symptoms/effects after eye contact | : Exposed individuals may experience eye tearing, redness, and discomfort. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. |

4.3. Indication of any immediate medical attention and special treatment needed

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
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| Suitable extinguishing media | : Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | : Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|---|
| Fire hazard | : During fire, gases hazardous to health may be formed. |
| Explosion hazard | : None known. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Firefighters should wear full protective gear. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

6.2. Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Stop the flow of material, if this is without risk. |
| Methods for cleaning up | : Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water. |

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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|-------------------------------|---|
| Precautions for safe handling | : Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. |
|-------------------------------|---|

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Store in original tightly closed container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| |
|---|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1) |
| Not applicable |
| Didecyldimethylammonium chloride (7173-51-5) |
| Not applicable |
| 1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3) |
| Not applicable |
| 1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2) |
| Not applicable |
| Non Hazardous Ingredients |
| Not applicable |

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Hand protection : Wear impervious gloves to minimize skin contact.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable working clothes.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid saturated on wipe.

Color : No data available

Odor : No data available

Odor threshold : No data available

pH : 11.3

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 93.9 °C (> 201.0 °F)

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : No data available

Specific gravity / density : 8.32 lbs/gal

Solubility : No data available

Log Pow : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : No data available

Explosive properties : No data available

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Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Avoid temperatures exceeding the flash point.

10.5. Incompatible materials

Strong acids, alkalis and oxidizing agents.

10.6. Hazardous decomposition products

Not determined.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

| | |
|---------------|-----------|
| LD50 oral rat | 426 mg/kg |
| ATE US (oral) | 426 mg/kg |

Didecyldimethylammonium chloride (7173-51-5)

| | |
|---------------|----------|
| LD50 oral rat | 84 mg/kg |
| ATE US (oral) | 84 mg/kg |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes eye irritation.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

TP - TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule.

Didecyldimethylammonium chloride (7173-51-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

No additional information available

SECTION 16: Other information

Full text of H-phrases:

| | |
|---------------------|--|
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H320 | Causes eye irritation |
| H401 | Toxic to aquatic life |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.